

# Request for Quote

Page 1 of 3

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ONE CAPITOL HILL  
PROVIDENCE RI 02908

BUYER: Ohara 2nd, John F  
PHONE #: 401-574-8125

CREATION DATE : 29-JUN-09  
BID NUMBER: 7322916  
TITLE: SALT ROAD (MPA 125)

BLANKET START : 01-JUL-09  
BLANKET END : 30-JUN-10  
BID CLOSING DATE AND TIME: 29-JUL-2009 10:30:00

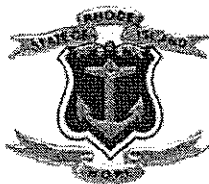
B  
I  
L  
L  
T  
O  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

S  
H  
I  
P  
T  
O  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

## Requisition Number:

Line	Description	Quantity	Unit	Unit Price	Total
1	BLANKET REQUIREMENTS: 7/1/09 - 6/30/10 (WITH OPTION TO EXTEND FOR ONE (1))  ADDITIONAL YEAR AT THE SOLE DISCRETION OF THE STATE OF RI)  SAMPLES MAY BE REQUIRED PRIOR TO ANY AWARD  NOTE:  VENDOR MUST INDICATE WHETHER BID IS FOR SODIUM CHLORIDE OR SOLAR SALT  CIRCLE ONE:  SODIUM CHLORIDE                      SOLAR SALT FOR EACH DIVISION THERE IS A PRICE LINE FOR THE RATE PER TON FOR THAT ENTIRE DIVISION THE PRICE PROVIDED BY YOUR COMPANY WILL BE FOR ALL OF THE LOCATIONS LISTED, FOR EXAMPLE, NORTHWEST DIVISION PRICE LINE WILL COVER (3) DOT LOCATIONS AND (4) MUNICIPALITIES, SHOULD THEY DECIDE TO PURCHASE FROM YOU  LOCATIONS AND QUANTITIES OF DELIVERIES AS PER INDICATED 7/1/09 - 6/30/10 SALT, ROAD - NORTHWEST DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
2	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - NORTHWEST DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
3	7/1/09 - 6/30/10 SALT, ROAD - PROVIDENCE DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
4	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - PROVIDENCE DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
5	7/1/09 - 6/30/10 SALT, ROAD - KENT DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE	1 00	Ton		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer.



# Request for Quote

Page 2 of 3

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ONE CAPITOL HILL  
PROVIDENCE RI 02908

CREATION DATE : 29-JUN-09  
BID NUMBER: 7322916  
TITLE: SALT ROAD (MPA 125)

BUYER: Ohara 2nd, John F  
PHONE #: 401-574-8125

BLANKET START : 01-JUL-09  
BLANKET END : 30-JUN-10  
BID CLOSING DATE AND TIME: 29-JUL-2009 10:30:00

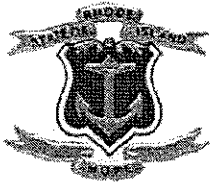
**B  
I  
L  
L  
T  
O**  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

**S  
H  
I  
P  
T  
O**  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

## Requisition Number:

Line	Description	Quantity	Unit	Unit Price	Total
	ATTACHED SPECIFICATIONS				
6	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - KENT DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
7	7/1/09 - 6/30/10 SALT, ROAD - WASHINGTON NORTH DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
8	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - WASHINGTON NORTH DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
9	7/1/09 - 6/30/10 SALT ROAD WASHINGTON SOUTH DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
10	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - WASHINGTON SOUTH DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
11	7/1/09 - 6/30/10 SALT, ROAD - BRISTOL DISTRICT THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
12	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - BRISTOL DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
13	7/1/09 - 6/30/10 SALT, ROAD - NEWPORT DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
14	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - NEWPORT DISTRICT PER THE LOCATIONS AND QUANTITIES LISTED IN THE ATTACHED SPECIFICATIONS	1 00	Ton		
15	7/1/09 - 6/30/10 SALT, ROAD - ROAD RATE SALT PICKED UP BY RIDOT AT THE VENDOR'S STORAGE FACILITY; LOADED BY THE VENDOR INTO TRUCKS SUPPLIED BY THE STATE.	1 00	Ton		
16	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - ROAD RATE SALT PICKED UP BY RIDOT AT THE VENDOR'S STORAGE FACILITY; LOADED BY THE VENDOR INTO TRUCKS SUPPLIED BY THE STATE.	1 00	Ton		
17	7/1/09 - 6/30/10 SALT, ROAD - RATE FOR SALT PICKED UP BY ANY STATE AGENCY LOADED BY THE VENDOR INTO TRUCKS SUPPLIED BY THE STATE	1 00	Ton		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



# Request for Quote

Page 3 of 3

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ONE CAPITOL HILL  
PROVIDENCE RI 02908

BUYER: Ohara 2nd, John F  
PHONE #: 401-574-8125

CREATION DATE : 29-JUN-09  
BID NUMBER: 7322916  
TITLE: SALT ROAD (MPA 125)

BLANKET START : 01-JUL-09  
BLANKET END : 30-JUN-10  
BID CLOSING DATE AND TIME: 29-JUL-2009 10:30:00

B  
I  
L  
L  
T  
O  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

S  
H  
I  
P  
T  
O  
MASTER PRICE AGREEMENT  
SEE BELOW  
RELEASE AGAINST, RI MPA  
US

## Requisition Number:

Line	Description	Quantity	Unit	Unit Price	Total
	FORTTRANSPORTATION OF SALT. SALT WILL BE PICKED UP AT THE VENDOR'S STORAGE FACILITY ORDER USE WILL NOT BE INCLUDED IN THE ESTIMATED QUANTITY LISTED.				
18	7/1/10 - 6/30/11 (IF RENEWED) SALT, ROAD - RATE FOR SALT PICKED UP BY ANY STATE AGENCY LOADED BY THE VENDOR INTO TRUCKS SUPPLIED BY THE STATE FORTTRANSPORTATION OF SALT. SALT WILL BE PICKED UP AT THE VENDOR'S STORAGE FACILITY ORDER USE WILL NOT BE INCLUDED IN THE ESTIMATED QUANTITY LISTED.	1 00	Ton		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer.

## Contract Terms and Conditions

### Table of Contents

Terms and Conditions.....	II
BID STANDARD TERMS AND CONDITIONS .....	II
TERMS AND CONDITIONS FOR THIS BID .....	II
PURCHASE AGREEMENT BID .....	II
QUARTERLY REPORTS .....	II
AUTHORIZATION AND RELEASE .....	II
MPA BID AWARD (STATEWIDE APPLICABILITY) .....	II
VENDOR SPECIFICATIONS .....	II
HAZARDOUS MATERIAL .....	III
CLOTHING SAMPLES .....	III
DELIVERY PER AGENCY .....	III

## **Terms and Conditions**

### **BID STANDARD TERMS AND CONDITIONS**

#### **TERMS AND CONDITIONS FOR THIS BID**

#### **PURCHASE AGREEMENT BID**

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordered during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F O B destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

#### **QUARTERLY REPORTS**

**REPORTS** - The Vendor agrees to provide the State with quarterly reports describing activity against this Price Agreement. If this is a Master Price Agreement, such reports shall include usage by municipalities, quasi-public agencies, schools, etc. All reports shall contain the following data: (1) Billing volume in dollars and (2) quantity shipped for each line item in the price agreement. When there are no line items in the price agreement, vendor shall report volume by catalog order numbers, with a brief description of each order number. Reports must be submitted to the RI Division of Purchases to the attention BUYER named in this notice, identifying the Agreement number and the Reporting Period. Quarterly reports shall be due 45 calendar days after the end of each quarter. Failure to submit required reports shall be considered a breach of the contractor's obligations and may be considered, at the discretion of the State Purchasing Agent, sufficient cause for the termination of the agreement and other outstanding agreements and orders, and possible suspension from participation in additional State procurements.

#### **AUTHORIZATION AND RELEASE**

In no event shall the Vendor deliver goods or provide service until such time as a duly authorized release document is certified by the ordering Agency. A Direct Purchase Order (DPO) shall be created by the agency listing the items ordered, using the pricing and format set forth in the Master Blanket. All pricing shall be as described in the Master Blanket and is considered to be fixed and firm for the term of the Agreement, unless specifically noted to the contrary herein. All prices include prepaid freight. Freight, taxes, surcharges, or other additional charges will not be honored unless reflected in Master Blanket.

#### **MPA BID AWARD (STATEWIDE APPLICABILITY)**

**STATEWIDE APPLICABILITY** - Political Subdivisions (cities, towns, schools, quasi-public agencies), as authorized by law, may participate in this Agreement. All ordering and billing shall be between the vendor and the political subdivision (only).

#### **VENDOR SPECIFICATIONS**

**ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL.**

MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED

**HAZARDOUS MATERIAL**

HAZARDOUS MATERIAL SAFETY DATA SHEET IS TO BE SUBMITTED BY THE SUCCESSFUL BIDDER AFTER THEIR RECEIPT OF THE PURCHASE ORDER AND BEFORE OR WITH THE FIRST DELIVERY. THIS SHEET WILL BE KEPT ON FILE AS A REFERENCE FOR FUTURE DELIVERIES MADE UNDER THIS CONTRACT. THIS SHEET IS MANDATED BY RI STATE LAW CHAPTER 28-21 HAZARDOUS SUBSTANCE RIGHT-TO-KNOW ACT. FAILURE TO COMPLY WITH THIS REQUEST WILL RESULT IN LOSS OF CONTRACT

**CLOTHING SAMPLES**

IF SAMPLES ARE REQUESTED, THEY MUST BE PROVIDED WITHIN TEN (10) WORKING DAYS OF REQUEST DATE. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF BID.

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY

RIDOT Highway & Bridge Maintenance Division  
Request For Quote  
Salt, Road – MPA 125  
MPA for Winter Season of 2009 – 2010 (FY2010)

The State, at its sole discretion, shall reserve the right to make one or multiple awards for this requirement and/or reject any or all bids.

**Bid Prices**

**Delivered Prices:** Prices quoted will be expressed at the per ton price for each of the Rhode Island Department of Transportation (RIDOT) seven Highway Operation Districts. Prices shall be based on freight or transportation rates in effect on date of submission of bids. All delivered material will be F.O.B. destination to RIDOT's 21 operations sites or municipal locations. It is the intent of the RIDOT to have all requested salt delivered by the vendor.

**Pick-Up Prices:** Prices quoted will be expressed at the net per ton price. Salt loaded by the vendor into trucks supplied by the State for the transport of salt. No additional charges will be allowed. It is the intent of RIDOT to utilize pick-up prices only in extreme emergencies.

**Delivery Terms & Vendor Availability**

**Routine Delivery** is defined herein as receipt of requested quantities within a maximum of seven (7) calendar days (168 hours) after request by an authorized State representative, and shall commence within 24 hours. Routine delivery times are between 7:00AM to 4:00PM, including weekends.

**After Hours Delivery** is defined as receipt of requested quantities **during after hours**. After Hours delivery times are 4:01PM to 6:59AM, including weekends and holidays, with no increase in price. **After Hours Delivery are not considered as Emergency Delivery.**

**Emergency Delivery** is defined as receipt of requested quantities **WITHIN FOUR (4) HOURS AFTER REQUEST** by an authorized State representative in writing via fax or email and will be indicated as such on the order. Emergency delivery times are at any time including weekends and holidays, with a 10% increase in unit price.

A minimum of 2,000 tons, in total, per day is requested to be delivered to locations at the request of an authorized State representative for the locations listed below.

Vendor(s) must ensure trucking companies operate in compliance with all applicable Federal and State requirement, including but not limited to, the acquisition of overload permits as necessary.

Awarded vendor(s) shall designate a representative responsible for accepting and scheduling requests for routine deliveries and emergency/after-hours delivery. This contact must reliably be available 24 hours a day, 7 days per week.

Contact Person: \_\_\_\_\_

Office Phone: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

RIDOT Highway & Bridge Maintenance Division  
Request For Quote  
Salt, Road – MPA 125  
MPA for Winter Season of 2009 – 2010 (FY2010)

**Blanket Requirement: 07/01/2009 – 06/30/2010 (with option to extend for one (1) additional year at the sole discretion of the State of Rhode Island)**

Samples may be required prior to *ANY* award.

Note: Vendor must indicate whether bid is for rock salt or solar salt.

**Circle One:    Rock Salt        Solar Salt**

**State Quantities - Operational Requirements by District**

The State of Rhode Island estimates this season's annual total use will be 100,000 tons. This quantity estimate is for RIDOT use only; all other municipalities' salt requirements are beyond this estimated quantity. The State of Rhode Island reserves the right to require up to 150% of the annual estimated use at no increased cost. The State guarantees the annual purchase of at least 50,000 tons.

For the purpose of this bid the State has been divided into seven (7) districts. Each district contains some locations for the State of Rhode Island Department of Transportation Division of Highway & Bridge Maintenance (RIDOT) and some Rhode Island municipalities. There are a total of twenty-one (21) RIDOT Maintenance locations, thirty-eight (38) municipalities, and two (2) other State agency locations: (a) Quonset Development Corporation (QDC) and (b) University of Rhode Island (URI). The RIDOT locations have approximate quantities available for their minimum purchased quantities, by district. There is a price line for the rate per ton for that entire district. The price provided by your company will be for all of the locations listed. For example, the Northwest District price line will cover three (3) RIDOT locations and four (4) municipalities, should they decided to purchase from you.

Locations and quantities of deliveries as per indicated

**Delivery Documentation and Invoice Terms**

A certified weight slip shall be presented at each RIDOT facility for every delivery made. On the first of every month, subsequent to when a delivery is made, a duplicate copy of each delivery receipt is to be forwarded to:

RIDOT Highway & Bridge Maintenance Division  
Attn: Business Office  
360 Lincoln Avenue  
Warwick, RI 02888

One invoice per month will be submitted in duplicate directly to the Business Office; invoice will indicate the total tonnage delivered to each RIDOT location and shall be fully reconciled to the sum total of the month's delivery receipts. For each RIDOT location an itemized load data sheet will accompany each invoice to reconcile deliveries.

*Note: The vendor(s) is/are responsible for meeting all product specifications and delivery terms. Where the vendor fails to supply the product the State reserves the right to cancel the order and*



RIDOT Highway & Bridge Maintenance Division  
Request For Quote  
Salt, Road – MPA 125  
MPA for Winter Season of 2009 – 2010 (FY2010)

*contract with a different vendor and to invoice the original vendor for any price differential in price over the original contract price.*

**Contacts**

**RIDOT**

Mr. Songhap Taing  
(401) 734-4853

**QDC**

Mr. Dennis Colberg  
(401) 294-6342

**URI**

Mr. Dave Bascom  
(401) 874-5515

**1. 07/01/2009 – 06/30/2010 Salt – Northwest District**

RIDOT Locations – Clayville, Glocester, Scituate  
Minimum State Purchase Guaranteed: 7,500 Tons  
Municipalities – Burrillville, Foster, Glocester, Scituate

**2. 07/01/10 – 06/30/2011 (IF RENEWED) Salt – Northwest District**

RIDOT Locations – Clayville, Glocester, Scituate  
Minimum State Purchase Guaranteed: 7,500 Tons  
Municipalities – Burrillville, Foster, Glocester, Scituate

**3. 07/01/2009 – 06/30/2010 Salt – Providence District**

RIDOT Locations – Lincoln, RI-6 at I-295, RI-7 at RI-116  
Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Central Falls, Cumberland, Johnston, Lincoln, North Providence, North Smithfield, Providence, Smithfield, Woonsocket

**4. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Providence District**

RIDOT Locations – Lincoln, RI-6 at I-295, RI-7 at RI-116  
Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Central Falls, Cumberland, Johnston, Lincoln, North Providence, North Smithfield, Providence, Smithfield, Woonsocket

**5. 07/01/2009 – 06/30/2010 Salt – Kent District**

RIDOT Locations – Jefferson Boulevard, Midstate, Summit  
Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Coventry, Cranston, East Greenwich, Warwick, West Warwick

**6. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Kent District**

RIDOT Locations – Jefferson Boulevard, Midstate, Summit

RIDOT Highway & Bridge Maintenance Division  
Request For Quote  
Salt, Road – MPA 125  
MPA for Winter Season of 2009 – 2010 (FY2010)

Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Coventry, Cranston, East Greenwich, Warwick, West Warwick

**7. 07/01/2009 – 06/30/2010 Salt – Washington North District**

RIDOT Locations – Belleville, Dillon's Corner  
Minimum State Purchase Guaranteed: 7,500 Tons  
QDC Location – North Kingstown  
Municipalities – Jamestown, Narragansett, North Kingstown

**8. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Washington North District**

RIDOT Locations – Belleville, Dillon's Corner  
Minimum State Purchase Guaranteed: 7,500 Tons  
QDC Location – North Kingstown  
Municipalities – Jamestown, Narragansett, North Kingstown

**9. 07/01/2009 – 06/30/2010 Salt – Washington South District**

RIDOT Locations – Charlestown, Hope Valley, Westerly  
Minimum State Purchase Guaranteed: 5,500 Tons  
URI Location – Kingston  
Municipalities – Charlestown, Exeter, Hopkinton, Richmond, South Kingstown, Westerly, West Greenwich

**10. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Washington South District**

RIDOT Locations – Charlestown, Hope Valley, Westerly  
Minimum State Purchase Guaranteed: 5,500 Tons  
URI Location – Kingston  
Municipalities – Charlestown, Exeter, Hopkinton, Richmond, South Kingstown, Westerly, West Greenwich

**11. 07/01/2009 – 06/30/2010 Salt – Bristol District**

RIDOT Locations – Apex, East Providence, Warren Avenue  
Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Barrington, Bristol, East Providence, Pawtucket, Warren

**12. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Bristol District**

RIDOT Locations – Apex, East Providence, Warren Avenue  
Minimum State Purchase Guaranteed: 8,500 Tons  
Municipalities – Barrington, Bristol, East Providence, Pawtucket, Warren

**13. 07/01/2009 – 06/30/2010 Salt – Newport District**

RIDOT Locations – Lawton Valley, Little Compton, Portsmouth, Warren Yard  
Minimum State Purchase Guaranteed: 4,000 Tons  
Municipalities – Little Compton, Middletown, Newport, Portsmouth

**14. 07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Newport District**

RIDOT Locations – Lawton Valley, Little Compton, Portsmouth, Warren Yard

RIDOT Highway & Bridge Maintenance Division  
Request For Quote  
Salt, Road – MPA 125  
MPA for Winter Season of 2009 – 2010 (FY2010)

Minimum State Purchase Guaranteed: 4,000 Tons  
Municipalities – Little Compton, Middletown, Newport, Portsmouth

15. **07/01/2009 – 06/30/2010 Salt – Road rate** - Salt picked up by RIDOT at the vendor's storage facility; loaded by the vendor into trucks supplied by the State.
16. **07/01/2010 – 06/30/2011 (IF RENEWED) Salt – Road rate** - Salt picked up by RIDOT at the vendor's storage facility; loaded by the vendor into trucks supplied by the State.

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

Rhode Island Department of Transportation  
Division of Highway & Bridge Maintenance

**SPECIFICATION FOR SOLAR SALT FOR REMOVAL OF ICE AND SNOW**

**Chemical Composition**

The sodium chloride shall conform to the following requirements as to chemical composition:

Total chlorides expressed as NaCl minimum % ..... 95.0

**Physical Requirements**

A. The gradation when tested by means of laboratory sieves shall conform to the following requirements for particle size without any variation:

<u>Sieve Size</u>	<u>% Passing by Weight</u>
5/8"	100.0%
7/16"	95.0% – 100.0%
No. 4	75.0%
No. 8	40.0%
No. 30	10.0%

B. The moisture content of the sodium chloride delivered shall not exceed 3.0%.

C. In order to prevent caking while in storage following delivery, all bulk salt shall be uniformly treated with an anti-caking conditioner (e.g. Anticake, Storite, or equal) prior to delivery. The conditioner shall be introduced uniformly throughout the sodium chloride at a rate equivalent to two pounds conditioner per one ton of sodium chloride. The use of a colored conditioned is desired.

**Condition**

The sodium chloride shall arrive at the purchaser's delivery point in a free flowing and useable condition.

**Sampling**

- A. Each sample submitted for testing shall consist of a minimum of three increments selected at random from the material. Each increment shall be at least one pound in weight and not include the top inch of stored material. Every attempt shall be made to insure a composition sample representative of the pile. Samples for chemical composition, gradation, water content and anti-caking shall be taken at the supplier's stockpile. Samples for moisture content, gradation and anti-caking may also be obtained at the time of delivery to the purchaser's delivery destination.
- B. The purchaser or their representative shall be provided free entry and access at the supplier's storage areas for sampling. It is anticipated that determination for initial

compliance will be made from samples obtained from the supplier's storage areas. Shipments to the purchaser's points of delivery may be randomly sampled for moisture content and gradation control. If in doubt, complete analysis may be made on these samples.

### **Testing**

- A. Chemical composition testing shall follow AASHTO M-143 Appendix A1 – Rapid Method of Test for Sodium Chloride, except for controversy, in which case testing shall conform to the 11<sup>th</sup> edition of the Official Methods of Analysis of the Association of Official Analytical Chemists or comparable absorption analysis.
- B. Particle size analysis shall consist of using sieves with square openings mounted on substantial frames or interlocked in a manner as to insure loss of material during sieving. Woven wire cloth shall conform to AASHTO M-92. Gradation analysis shall be made on oven dried material and the sample shall weigh, after drying, or at least 500.0 grams. In no case shall the fraction retained on any sieve, at the completion of the sieving operation, weigh more than four grams per square inch of sieving surface (this is 200 grams for 8 inch diameter round sieves). If sieving is completed by hand - shaking lateral and vertical motion with occasional jarring action so as to keep the material moving continuously over the surfaces of the sieves for a time of not less than three minutes. When mechanical shaking is provided the time limit shall be a maximum of five minutes. The balance of the scale shall be sensitive to within 0.2% of the weight of the sample to be tested.
- C. Moisture content shall be determined by a method of weighing before and after oven. Oven shall be at 110 degrees +/- 5 degrees C (230 degrees +/- 9 degrees F) for a minimum of four hours.
- D. Each successful bidder shall indicate the chemical nature of the anti-caking material and shall furnish a laboratory procedure for the method for determining the uniform presence of their respective anti-caking conditioner.

### **Penalty and Price Adjustment**

- A. For each percent by which moisture content exceeds maximums specified, the contractor will be penalized by reducing the price of the sodium chloride by two percent (2.0%).
- B. For each percent by which gradation exceed the maximums allowed, the contractor will be penalized by reducing the price of the sodium chloride by one percent (1.0%).
- C. Penalties, if any, will be assessed against the accumulated and mixed samples of each of the daily deliveries to each location. Said sample shall be representative of the gradation and moisture content of all sodium chloride delivered that day.

Rhode Island Department of Transportation  
Division of Highway & Bridge Maintenance

**SPECIFICATION FOR ROCK SALT FOR REMOVAL OF ICE AND SNOW**

**Classification**

This specification covers sodium chloride contained from natural deposits (rock salt) and shall conform to AASHTO M-143-70 except as noted below.

**Chemical Composition**

The sodium chloride shall conform to the following requirements as to chemical composition:

Total chlorides expressed as NaCl minimum % ..... 95.0%

**Physical Requirements**

- A. The gradation when tested by means of laboratory sieves shall conform to the following requirements for particle size without any variation:

Sieve Size	% Passing by Weight
1/2"	100.0%
3/8"	95.0% – 100.0%
No. 4	20.0% - 90.0%
No. 8	10.0% - 60.0%
No. 30	0.0% - 10.0%

- B. The moisture content of the sodium chloride delivered shall not exceed 0.5%

- C. In order to prevent caking while in storage following delivery, all bulk salt shall be uniformly treated with an anti-caking conditioner (e.g. Anticake, Storite, or equal) prior to delivery. The conditioner shall be introduced uniformly throughout the sodium chloride at a rate equivalent to two pounds conditioner per one ton of sodium chloride. The use of a colored conditioner is desired.

**Condition**

The sodium chloride shall arrive at the purchaser's delivery point in a free flowing and useable condition.

**Sampling**

- A. Each sample submitted for testing shall consist of a minimum of three increments selected at random from the material. Each increment shall be at least one pound in weight and not include the top inch of stored material. Every attempt shall be made to insure a composition sample representative of the pile. Samples for chemical composition, gradation, water content and anti-caking shall be taken at the supplier's

stockpile. Samples for moisture content, gradation and anti-caking may also be obtained at the time of delivery to the purchaser's delivery destination.

- B. The purchaser or their representative shall be provided free entry and access at the supplier's storage areas for sampling. It is anticipated that determination for initial compliance will be made from samples obtained from the supplier's storage areas. Shipments to the purchaser's points of delivery may be randomly sampled for moisture content and gradation control. If in doubt, complete analysis may be made on these samples.

### **Testing**

- A. Chemical composition testing shall follow AASHTO M-143 Appendix A1 – Rapid Method of Test for Sodium Chloride, except for controversy, in which case testing shall conform to the 11<sup>th</sup> edition of the Official Methods of Analysis of the Association of Official Analytical Chemists or comparable absorption analysis.
- B. Particle size analysis shall consist of using sieves with square openings mounted on substantial frames or interlocked in a manner as to insure loss of material during sieving. Woven wire cloth shall conform to AASHTO M-92. Gradation analysis shall be made on oven dried material and the sample shall weigh, after drying, or at least 500.0 grams. In no case shall the fraction retained on any sieve, at the completion of the sieving operation, weigh more than four grams per square inch of sieving surface (this is 200 grams for 8 inch diameter round sieves). If sieving is completed by hand - shaking lateral and vertical motion with occasional jarring action so as to keep the material moving continuously over the surfaces of the sieves for a time of not less than three minutes. When mechanical shaking is provided the time limit shall be a maximum of five minutes. The balance of the scale shall be sensitive to within 0.2% of the weight of the sample to be tested.
- C. Moisture content shall be determined by a method of weighing before and after oven. Oven shall be at 110 degrees +/- 5 degrees C (230 degrees +/- 9 degrees F) for a minimum of four hours.
- D. Each successful bidder shall indicate the chemical nature of the anti-caking material and shall furnish a laboratory procedure for the method for determining the uniform presence of their respective anti-caking conditioner.

### **Penalty and Price Adjustment**

- A. For each percent by which moisture content exceeds maximums specified, the contractor will be penalized by reducing the price of the sodium chloride by two percent (2.0%).
- B. For each percent by which gradation exceeds the maximums allowed, the contractor will be penalized by reducing the price of the sodium chloride by one percent (1.0%).
- C. Penalties, if any, will be assessed against the accumulated and mixed samples of each of the daily deliveries to each location. Said sample shall be representative of the gradation and moisture content of all sodium chloride delivered that day.

Rhode Island Department of Transportation  
Division of Highway & Bridge Maintenance

**WINTER SAND/SALT DELIVERY LOCATIONS**

**FACILITY**

**ADDRESS**

***Northwest District***

Clayville  
Glocester  
Scituate

Route 102, Foster  
Putnam Pike, Glocester  
Spring Brook Road, Scituate

***Providence District***

Lincoln  
RI-6 at I-295  
RI-7 at RI-116

George Washington Highway, Lincoln  
Interchange, Johnston  
Intersection, Smithfield

***Kent District***

Jefferson Boulevard  
Midstate  
Summit

Jefferson Blvd. at Route 37, Warwick  
New London Turnpike, East Greenwich  
Route 117 at Route 102, Coventry

***Washington North District***

Belleville  
Dillon's Corner

Tower Hill Road, North Kingstown  
Route 108, Narragansett

***Washington South District***

Charlestown  
Hope Valley  
Westerly

Perryville Road, Charlestown  
Bank Street, Hopkinton  
Bradford Road, Westerly

***Bristol District***

Apex  
East Providence  
Warren Avenue

I-95, Pawtucket  
1032 Willett Avenue, East Providence  
Warren Avenue at RT. 114, East Providence

***Newport District***

Lawton Valley  
Little Compton  
Portsmouth  
Warren Yard

West Main Road, Middletown  
Willow Avenue, Little Compton  
Anthony Road, Portsmouth  
Ridgeway Drive, Warren